

<b>Form PTO-1449</b> (REV. 8-83) INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		U.S. Department of Commerce Patent and Trademark Office		ATTY. DOCKET NO. 879.1.008		SERIAL NO. (Unknown)			
APPLICANT(S) Bernard H. Kear, Oleg A. Voronov				FILING DATE March 23, 2004				GROUP (Unknown)	

  

U.S. PATENT DOCUMENTS							
Examiner Initial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>AK</i>	6,090,343	7/18/2000	Kear et al.	419	45		
<i>AK</i>	6,214,079	4/10/2001	Kear et al.	75	230		
<i>AK</i>	6,245,312	6/12/2001	Blank et al.	423	445		
<i>AK</i>	US2003/0154913 A1	8/21/2003	Oleg A. Voronov	117	200		

  

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
					YES	NO	
<i>AK</i>	O.A. Voronov, G.S. Tompa, "Fullerene based Sintered Carbon Materials," PCT/US99/21174, 1999, International Publication No. WO 00/15548 (23 March 2000).					Yes	

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<i>AK</i>		J.C. Withers, R.O. Loutfy, T.P. Lowe, "Fullerene Commercial Vision," Fullerene Sci. & Tech., 5(1), p. 1-31, 1997.
		E.N. Yakovlev, O.A. Voronov, "The Gibbs Energy of Fullerite C <sub>60</sub> at Pressures up to 20 GPa in temperature range 300-1000K," High Temperature-High Pressure, 26, 1994, p. 639-643.
<i>AK</i>		M.E. Kozlov, M. Hirabayashi, K. Nozaki, M. Tokumoto, H. Ihara, "Transformation of C <sub>60</sub> Fullerenes into a Superhard Form of Carbon at Moderate Pressure," Applied Physics Letters, 66 (10), 1995, p. 1199-1201.
		O.A. Voronov, G.S. Tompa, B.H. Kear, "High Pressure High Temperature Consolidation of Fullerenes and Nanotubes for Precision Cutters and Other Applications," Report DMI-41035-FINAL for DoD SBIR DARPA, 121 p., 2003.
<i>AK</i>		O.A. Voronov, G.S. Tompa, B.H. Kear, P. Yan, "Development of Superhard Sintered Fullerene Balls and Rollers for Bearings," Report DMI-41052-Final for DoD MDA SBIR, 40 pages, 2002.
		V. Blank, M. Popov, S. Buga, V. Davydov, V.N. Denisov, A.N. Ivlev, B.N. Mavrin, V. Agafonov, R. Ceolin, H. Szwarz, A. Rassat, "Is C <sub>60</sub> Fullerite Harder than Diamond?", Physics Letters A 188, 1994, p. 281-286.
		O.A. Voronov, G.S. Tompa, P. Yan, D. O'Brien, A. Ghavami, B. Baxter, "Nanophase Fullerene-Nanotube-Beryllium Composite Cutters for Drilling on Mars," Report DMI-41042-Final for NASA SBIR, 31 p., 2000.
		O.A. Voronov, G.S. Tompa, B.H. Kear, "High Pressure Sintered Nanotubes-Fullerenes for Propulsion Systems," Report DMI-41047-Final for NASA SBIR, 24 pages, 2001.
		O.A. Voronov, G.S. Tompa, B.H. Kear, "Lightweight Carbon Ceramic Composites for Thermally Resistant Bearings," Report DMI-41070-Final for DoD MDA SBIR, 42 pages, 2004.
		B. S. Files and C. R. Forest, "Elastomer Filled With Single-Wall Carbon Nanotubes," NASA Tech Briefs, March 2004, p. 46.

  

Examiner <i>AK</i> <i>AK</i>	DATE CONSIDERED <b>2-09-06</b>
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\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.